

## AMENDMENTS TO THE CLAIMS

Please add claims 21 – 30 as follows.

- 1     1.     (Original) A method of managing a distributed transaction, the method comprising  
2             the steps of:  
3             gathering latency information by monitoring latency of a network;  
4             generating one or more time period values based on said latency information;  
5             determining whether to terminate distributed transactions based on said one or more  
6             time period values;  
7             determining whether said latency information indicates that changes in the latency of  
8             said network satisfy adjustment criteria; and  
9             if said latency information indicates that changes in the latency of said network  
10            satisfy adjustment criteria, then adjusting said one or more time period values.
- 1     2.     (Original) The method of Claim 1, wherein a participant participating in said  
2             distributed transaction executes a transaction from said distributed transaction and  
3             terminates said transaction based on termination criteria that includes at least one  
4             criterion based on a particular value from said one or more time period values.
- 1     3.     (Original) The method of Claim 2, wherein said distributed transaction is managed by  
2             a coordinator that cooperates with said participant to execute the distributed  
3             transaction by communicating messages with the participant over the network.
- 1     4.     (Original) The method of Claim 3, wherein the step of communicating with the  
2             participant over the network is performed using a stateless protocol.
- 1     5.     (Original) The method of Claim 4, wherein the stateless protocol is HTTP or HTTPS.
- 1     6.     (Original) The method of Claim 3, wherein said particular value is based on a period  
2             of time between when a message is transmitted between said coordinator and said

3 participant and when an acknowledgement that the message has been received is  
4 received by the originator of the message.

1 7. (Original) The method of Claim 1, wherein:

2 said one or more time period values includes a particular value;

3 the step of monitoring includes generating a set of one or more transit times, wherein

4 each of said set of one or more transit times reflects a period of time between

5 when a message is transmitted over the network from a sender to a receiver

6 and when the sender receives an acknowledgement from the receiver that the

7 receiver has received the message; and

8 wherein said adjustment criteria includes a criterion that each of said set of one or

9 more transit times lie outside a range associated with said particular value.

1 8. (Original) The method of Claim 7, wherein the step of generating a set of one or more

2 transit times includes the step of generating at least two transit times.

1 9. (Original) The method of Claim 7, wherein the step of generating a set of one or more

2 transit times is performed by pinging a server connected to a particular network.

1 10. (Original) The method of Claim 2, further including the step of determining a

2 transaction execution threshold period that reflects a period of time needed for said

3 participant to execute operations for transactions, wherein said particular value is

4 based on said transaction execution threshold period.

1 11. (Original) The method of Claim 1, wherein:

2 said transaction specifies a modification to an item of data; and

3 said participant determines whether said transaction satisfies termination criteria

4 before allowing another modification specified by another transaction for said

5 item of data.

1 12. (Original) A method of managing a distributed transaction, the method comprising

2 the steps of:

3 determining a set of one or more transaction execution periods for transactions  
4 executed by a participant that participates in distributed transactions, wherein  
5 each transaction execution period of said set of one or more transaction  
6 execution periods reflects the period of time that elapsed for said participant to  
7 execute said each transaction;

8 if a difference between each of said set of one or more transaction execution periods  
9 and a transaction execution threshold period satisfies adjustment criteria, then  
10 adjusting said transaction execution threshold period; and

11 wherein termination criteria used to determine whether to terminate said distributed  
12 transaction is based on said transaction execution threshold period.

1 13. (Original) The method of Claim 12, wherein said adjustment criteria include a  
2 criterion that said difference is so great that each of said set of one or more  
3 transaction execution periods lies outside a range based on said transaction execution  
4 threshold period.

1 14. (Original) The method of Claim 12, further including the steps of  
2 monitoring a network for changes in latency of the network; and  
3 generating one or more time period values based on said changes in latency, wherein  
4 said termination criteria include a criterion based on said one or more time  
5 period values.

1 15. (Original) A method of managing a distributed transaction, the method comprising  
2 the steps of:  
3 monitoring latency of a network, wherein said latency of said network is used to  
4 generate one or more time period values used to determine whether to  
5 terminate distributed transactions; and

6 if changes in latency satisfy adjustment criteria, then adjusting said one or more time  
7 period values used to determine whether to terminate said distributed  
8 transaction.

- 1 16. (Original) A computer-readable medium carrying one or more sequences of  
2 instructions for managing a distributed transaction, wherein execution of the one or  
3 more sequences of instructions by one or more processors causes the one or more  
4 processors to perform the steps of:  
5 gathering latency information by monitoring latency of a network;  
6 generating one or more time period values based on said latency information;  
7 determining whether to terminate distributed transactions based on said one or more  
8 time period values;  
9 determining whether said latency information indicates that changes in the latency of  
10 said network satisfy adjustment criteria; and  
11 if said latency information indicates that changes in the latency of said network  
12 satisfy adjustment criteria, then adjusting said one or more time period values.

- 1 17. (Original) The computer-readable media of Claim 16, wherein a participant  
2 participating in said distributed transaction executes a transaction from said  
3 distributed transaction and terminates said transaction based on termination criteria  
4 that includes at least one criterion based on a particular value from said one or more  
5 time period values.

- 1 18. (Original) The computer-readable media of Claim 17, wherein said distributed  
2 transaction is managed by a coordinator that cooperates with said participant to  
3 execute the distributed transaction by communicating messages with the participant  
4 over the network.

- 1 19. (Original) A computer-readable medium carrying one or more sequences of  
2 instructions for managing a distributed transaction, wherein execution of the one or

3 more sequences of instructions by one or more processors causes the one or more  
4 processors to perform the steps of:  
5 determining a set of one or more transaction execution periods for transactions  
6 executed by a participant that participates in distributed transactions, wherein  
7 each transaction execution period of said set of one or more transaction  
8 execution periods reflects the period of time that elapsed for said participant to  
9 execute said each transaction;  
10 if a difference between each of said set of one or more transaction execution periods  
11 and a transaction execution threshold period satisfies adjustment criteria, then  
12 adjusting said transaction execution threshold period; and  
13 wherein termination criteria used to determine whether to terminate said distributed  
14 transaction is based on said transaction execution threshold period.

1 20. (Original) A computer-readable medium carrying one or more sequences of  
2 instructions for managing a distributed transaction, wherein execution of the one  
3 or more sequences of instructions by one or more processors causes the one or  
4 more processors to perform the steps of:  
5 monitoring latency of a network, wherein said latency of said network is used to  
6 generate one or more time period values used to determine whether to  
7 terminate distributed transactions; and  
8 if changes in latency satisfy adjustment criteria, then adjusting said one or more  
9 time period values used to determine whether to terminate said distributed  
10 transaction.

1 21. (New) The computer-readable medium of Claim 18, wherein the step of  
2 communicating with the participant over the network is performed using a stateless  
3 protocol.

- 1 22. (New) The computer-readable medium of Claim 21, wherein the stateless protocol is  
2 HTTP or HTTPS.
- 1 23. (New) The computer-readable medium of Claim 18, wherein said particular value is  
2 based on a period of time between when a message is transmitted between said  
3 coordinator and said participant and when an acknowledgement that the message has  
4 been received is received by the originator of the message.
- 1 24. (New) The computer-readable medium of Claim 16, wherein:  
2 said one or more time period values includes a particular value;  
3 the step of monitoring includes generating a set of one or more transit times, wherein  
4 each of said set of one or more transit times reflects a period of time between  
5 when a message is transmitted over the network from a sender to a receiver  
6 and when the sender receives an acknowledgement from the receiver that the  
7 receiver has received the message; and  
8 wherein said adjustment criteria includes a criterion that each of said set of one or  
9 more transit times lie outside a range associated with said particular value.
- 1 25. (New) The computer-readable medium of Claim 24, wherein the step of generating a  
2 set of one or more transit times includes the step of generating at least two transit  
3 times.
- 1 26. (New) The computer-readable medium of Claim 24, wherein the step of generating a  
2 set of one or more transit times is performed by pinging a server connected to a  
3 particular network.
- 1 27. (New) The computer-readable medium of Claim 17, the steps further including the  
2 step of determining a transaction execution threshold period that reflects a period of  
3 time needed for said participant to execute operations for transactions, wherein said  
4 particular value is based on said transaction execution threshold period.
- 1 28. (New) The computer-readable medium of Claim 16, wherein:

2        said transaction specifies a modification to an item of data; and  
3        said participant determines whether said transaction satisfies termination criteria  
4                before allowing another modification specified by another transaction for  
5                said item of data.

1    29.    (New) The computer-readable medium of Claim 19, wherein said adjustment criteria  
2           include a criterion that said difference is so great that each of said set of one or more  
3           transaction execution periods lies outside a range based on said transaction execution  
4           threshold period.

1    30.    (New) The computer-readable medium of Claim 19, the steps further including the  
2           steps of:  
3           monitoring a network for changes in latency of the network; and  
4           generating one or more time period values based on said changes in latency, wherein  
5                said termination criteria include a criterion based on said one or more time  
6                period values.